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electrode provided near the second current path forming electrode for measuring an impedance between the first measuring electrode and the second measuring electrode;

impedance measuring means for measuring the impedance between the first measuring electrode and the second measuring electrode;

data input means for inputting data on a subject which are necessary for calculation of a body fat ratio; and

calculating means for calculating the body fat ratio based on the impedance obtained by the impedance measuring means and the data on the subject which are input by the data input means,

wherein the first and second current path forming electrodes and the first and second measuring electrodes are sized and provided in positions where [the fingertip of] one of the fingers of each of the subject's hands can electrically come in contact with each of the first and second measuring electrodes and [the fingertip of] one of the other fingers of each of the subject's hands can electrically come in contact with each of the first and second current path forming electrodes, to form a current path of substantially constant length and to enable the impedance between two points in the middle of the current path to be measured under substantially constant conditions, thereby reducing variations in impedance measurements.--

--4. (Twice Amended) The body fat determining device according to Claim 2, wherein the body fat determining device is of a card type comprising of at least opposite end faces, the first current path forming electrode and the second current path forming electrode are provided on one of the end faces of the card type body fat determining device, the first measuring electrode and the second measuring electrode are provided on the other end face of the card type body fat determining device, and the first measuring electrode, the

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B<sup>2</sup> first current path forming electrode, the second measuring electrode and the second current path forming electrode are provided in such a manner that the [thumbtips of the] thumbs of both hands are positioned on the first and second measuring electrodes and the [fingertips of the] fingers other than the thumbs of the hands are positioned on the first and second current path forming electrodes when the card type body fat determining device is held in the hands.--

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--7. (Amended) A body fat determining device comprising:

B<sup>3</sup> a first electrode pair having a first current path forming electrode and a first measuring electrode provided near the first current path forming electrode;

a second electrode pair having a second current path forming electrode forming a current path with the first current path forming electrode, and a second measuring electrode provided near the second current path forming electrode for measuring an impedance between the first measuring electrode and the second measuring electrode

impedance measuring means for measuring the impedance between the first measuring electrode and the second measuring electrode;

data input means for inputting data on a subject which are necessary for calculation of a body fat ratio; and

calculating means for calculating the body fat ratio based on the impedance obtained by the impedance measuring means and the data on the subject which are input by the data input means,

wherein the first and second current path forming electrodes and the first and second measuring electrodes are sized and provided in positions where [the fingertips of] one of the fingers of each of the subject's hands can electrically come in contact with each of the first and second measuring electrodes and [the fingertips of] one of the other fingers of

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